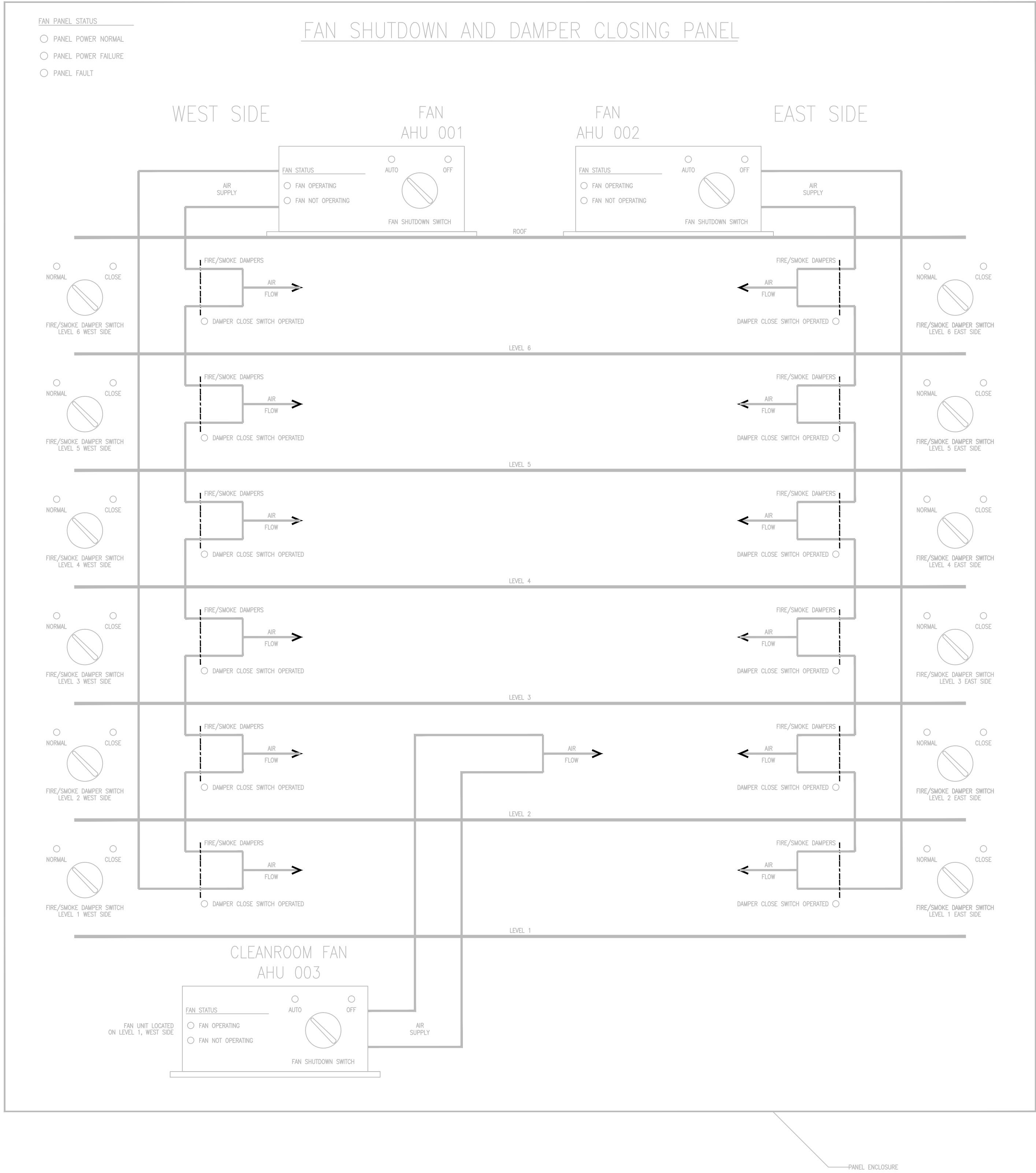


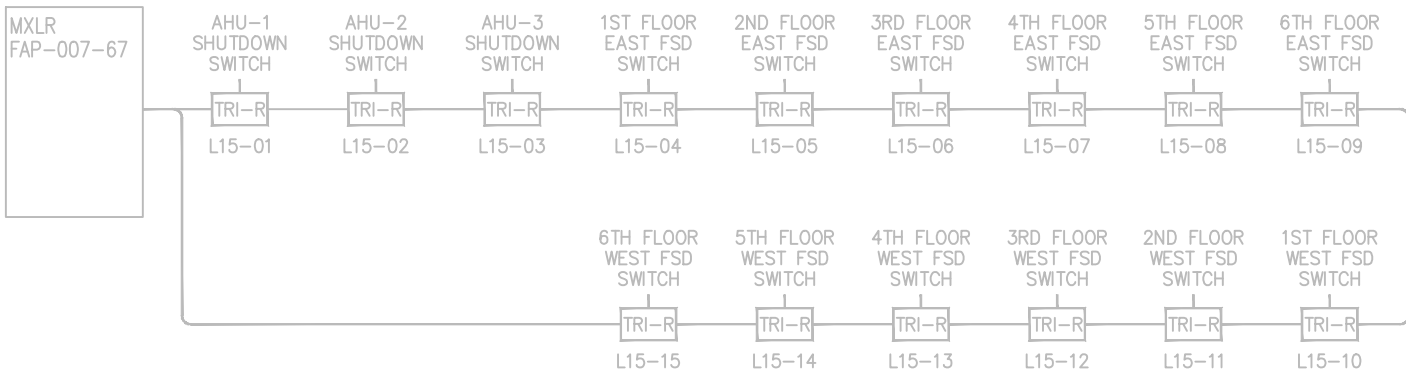
FAN SHUTDOWN & DAMPER CLOSING PANEL

FAN/DAMPER#MXL/MXLR PANEL INTERACTIONS

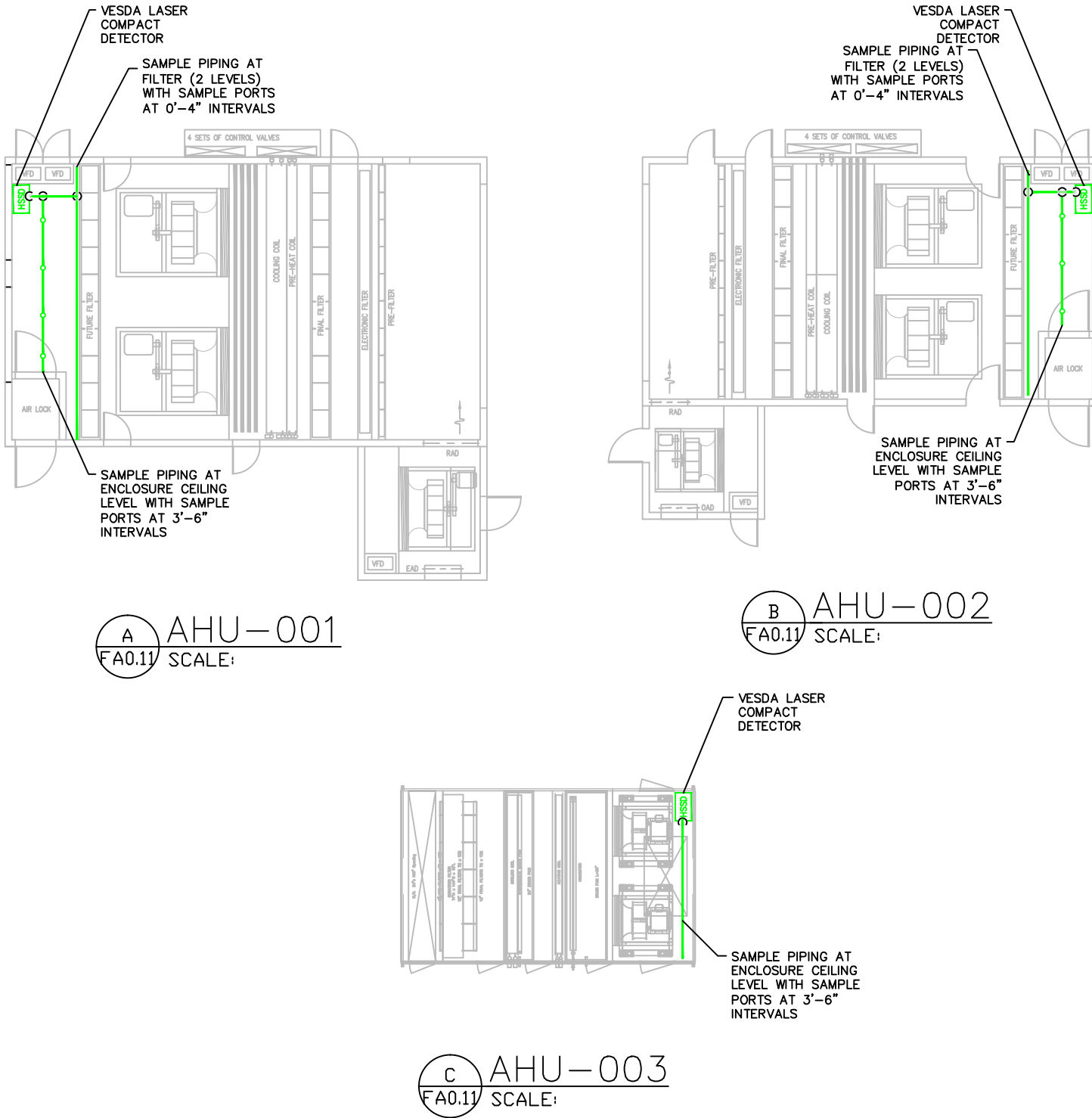


	FAN/DAMPER PANEL RECEIVES SIGNAL FROM MXL/MXLR	MXL/MXLR RECEIVES SIGNAL FROM FAN/DAMPER PANEL	MXL/MXLR SIGNALS TO FIELD DEVICE TO CAUSE ACTION	FAN/DAMPER PANEL CHAUSES APPROPRIATE LED TO UPDATE	SHUT DOWN RESPECTIVE FAN	CLOSE RESPECTIVE DAMPERS	TRIGGER SIGNAL TO LINK RECEIVER	SUPPLY SIGNAL TO LINK RECEIVER
FAN STATUS (OPERATING/NOT OPERATING)	●							
FAN SHUTOFF SWITCH STATUS (AUTO/OFF)								
FAN SHUTOFF SWITCH OPERATED		●	●	●	●			●
FIRE/SMOKE DAMPER SWITCH STATUS (NORMAL/CLOSED)		●	●	●				
FIRE/SMOKE DAMPER SWITCH OPERATED		●	●	●		●		●
FAN/DAMPER PANEL POWER NORMAL								
FAN/DAMPER PANEL POWER FAILURE	●	●					●	
FAN/DAMPER PANEL SYSTEM FAULT	●	●					●	

FAN SHUTDOWN DAMPER CLOSING RISER DIAGRAM



HVAC HSSD DETECTION ARRANGEMENT – DETAIL 5



PROFESSIONAL SEAL (IF REVISION, APPLIES ONLY TO REVISED WORK)	ASBUILT — 06/17/13								BLDG-67 FIRE ALARM FAN SHUTDOWN DAMPER CLOSING CONTROL RISER DIAG. # PARTIAL PLAN	UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY NATIONAL LABORATORY FACILITIES DIVISION	DRAWN BY	DSV	DATE	05/20/2013
								CHECKED BY			LDD	7/8/2013		
								APPROVED BY			MCD	7/8/2013		
								SCALE						
								DRAWING NO.			4B67E158	SHEET	11	
		ISSUE	(PROGRESS, ESTIMATE, NO. CONCORDANCE, CONFORMED, REVISION, RECORD)	REVISION NUMBER	DRAWN BY	CHECKED BY	APPR'D BY	DATE	REMARKS		PROJECT NO.	FN1438	11 OF 21	
		—	DSV	LDD	MCD	6/17/13	AS BUILT PER FIELD VERIFICATION							